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=> s dalbavancin

L1 8 DALBAVANCIN

=> file ca

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=> s l1

79 L1 L2

=> s 12 and protein 1925041 PROTEIN

L36 L2 AND PROTEIN

=> d 13 1-6

- ANSWER 1 OF 6 CA COPYRIGHT 2007 ACS on STN L3
- AN 146:38160 CA
- ΤI Dalbavancin: a novel lipoglycopeptide antibacterial
- Pope, Scott D.; Roecker, Andrew M. ΑU
- Department of Pharmacy, Carolinas Medical Center, Charlotte, NC, USA Pharmacotherapy (2006), 26(7), 908-918 CS
- SO CODEN: PHPYDQ; ISSN: 0277-0008
- Pharmacotherapy Publications PΒ
- Journal; General Review DT
- LΑ English
- RE.CNT 85. THERE ARE 85 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L3 ANSWER 2 OF 6 CA COPYRIGHT 2007 ACS on STN
- AN 142:370634 CA
- TI Differential inhibition of Staphylococcus aureus PBP2 by glycopeptide antibiotics
- ΑU Leimkuhler, Catherine; Chen, Lan; Barrett, Dianah; Panzone, Gianbattista; Sun, Binyuan; Falcone, Brian; Oberthuer, Markus; Donadio, Stefano; Walker, Suzanne; Kahne, Daniel
- CS Department of Chemistry and Chemical Biology, Harvard University, Cambridge, MA, 02138, USA
- SO Journal of the American Chemical Society (2005), 127(10), 3250-3251 CODEN: JACSAT; ISSN: 0002-7863
- PR American Chemical Society
- DTJournal
- T.A English
- RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L_3 ANSWER 3 OF 6 CA COPYRIGHT 2007 ACS on STN
- AN 141:28638 CA
- TI Compositions and methods for treating bacterial infections with protein-dalbavancin complexes
- IN Cavaleri, Marco; Colombo, Luigi; Henkel, Timothy; Jabes, Daniela; Malabarba, Adriano; Mosconi, Giorgio; Stogniew, Martin; White, Richard J.
- PA Vicuron Pharmaceuticals Inc., USA
- SO PCT Int. Appl., 90 pp. CODEN: PIXXD2

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LΑ
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     ANSWER 4 OF 6 CA COPYRIGHT 2007 ACS on STN
L3
AN
     140:369930 CA
TI
     Nonomuraea dbv gene cluster for biosynthesis of dalbavancin precursor,
     antibiotic A40926
IN.
     Donadio, Stefano; Sosio, Margherita; Beltrametti, Fabrizio
PA
     Vicuron Pharmaceuticals, Inc., USA
SO
     Eur. Pat. Appl., 165 pp.
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| | WO | 2003-EP11398 | W | 20031015 | | | |

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L3 ANSWER 5 OF 6 CA COPYRIGHT 2007 ACS on STN
- AN 140:54179 CA
- TI The gene cluster for the biosynthesis of the glycopeptide antibiotic A40926 by Nonomuraea species
- AU Sosio, Margherita; Stinchi, Sofia; Beltrametti, Fabrizio; Lazzarini, Ameriga; Donadio, Stefano
- CS Vicuron Pharmaceuticals, Gerenzano, 21040, Italy
- SO Chemistry & Biology (2003), 10(6), 541-549 CODEN: CBOLE2; ISSN: 1074-5521
- PB Cell Press
- DT Journal
- LA English
- RE.CNT 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L3 ANSWER 6 OF 6 CA COPYRIGHT 2007 ACS on STN
- AN 135:254360 CA
- TI In vitro evaluation of BI 397, a novel glycopeptide antimicrobial agent
- AU Jones, R. N.; Biedenbach, D. J.; Johnson, D. M.; Pfaller, M. A.
- CS The Jones Microbiology Institute, North Liberty, IA, 52317, USA
- SO Journal of Chemotherapy (Firenze, Italy) (2001), 13(3), 244-254 CODEN: JCHEEU; ISSN: 1120-009X
- PB E.I.F.T. srl
- DT Journal
- LA English
- RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 13 1-6 an ab

- L3 ANSWER 1 OF 6 CA COPYRIGHT 2007 ACS on STN
- AN 146:38160 CA
- AB A review. Dalbavancin is a new lipoglycopeptide antibacterial possessing in vitro activity against a variety of gram-pos. pathogens. Against methicillin-susceptible and methicillin-resistant Staphylococcus aureus, it has demonstrated favorable min. inhibitory concentration ranges compared with

those of currently available agents. Dalbavancin is highly protein bound (> 90%), which may contribute to its prolonged half-life of 149-300 h. Because of this long half-life, once-weekly dosing strategies have been used in clin. trials. Efficacy and tolerability have been demonstrated in a wide variety of animal infection models. Clin. success and safety have been shown in phase II and III trials for skin and soft-tissue infections and a phase II trial for catheter-related bloodstream infections. In these trials with vancomycin, linezolid, and various β -lactams as comparators, comparable results have been reported. The results of further phase III trials are anxiously awaited and will more clearly define the clin. role of this novel agent.

- L3 ANSWER 2 OF 6 CA COPYRIGHT 2007 ACS on STN
- AN 142:370634 CA
- AB Glycopeptide antibiotics prevent maturation of the bacterial cell wall by binding to the terminal D-alanyl-D-alanine moiety of peptidoglycan precursors, thereby inhibiting the enzymes involved in the final stages of peptidoglycan synthesis. However, there are significant differences in the biol. activity of particular glycopeptide derivs. that are not related

to their affinity for D-Ala-D-Ala. The authors compare the ability of vancomycin and a set of clin. relevant glycopeptides to inhibit Staphylococcus aureus PBP2 (penicillin binding protein), the major transglycosylase in a clin. relevant pathogen, S. aureus. They report expts. suggesting that activity differences between glycopeptides against this organism reflect a combination of substrate binding and secondary interactions with key enzymes involved in peptidoglycan synthesis.

- L3 ANSWER 3 OF 6 CA COPYRIGHT 2007 ACS on STN
- AN 141:28638 CA
- AB The invention provides methods and compns. for treatment of bacterial infections. Methods of the invention include administration of dalbavancin for treatment of a bacterial infection, in particular a Gram-pos. bacterial infection of skin and soft tissue, under conditions where a protein-dalbavancin complex forms, or administering a protein-dalbavancin complex. Dosing regimes include once weekly administration of dalbavancin, which often remains at therapeutic levels in the bloodstream for at least one week, providing prolonged therapeutic action against a bacterial infection.
- L3 ANSWER 4 OF 6 CA COPYRIGHT 2007 ACS on STN
- AN 140:369930 CA
- AB The present invention relates to the field of antibiotics and more specifically to the isolation of nucleic acid mols. that code for the biosynthetic pathway of the glycopeptide antibiotic A40926. Disclosed are the functions of the gene products involved in A40926 production. The present invention provides biosynthetic genes that code for A40926 production, the encoded polypeptides, the recombinant vectors comprising the nucleic acid sequences that encode said polypeptides, the host cells transformed with said vectors and methods for producing glycopeptide antibiotics using said transformed host cells, including methods for producing A40926, a precursor thereof, a derivative thereof or a modified glycopeptide different from A40926 or a precursor thereof.
- L3 ANSWER 5 OF 6 CA COPYRIGHT 2007 ACS on STN
- AN 140:54179 CA
- AB The glycopeptide A40926 is the precursor of dalbavancin, a second-generation glycopeptide currently under clin. development. The dbv gene cluster, devoted to A40926 biosynthesis, was isolated and characterized from the actinomycete Nonomuraea species ATCC39727. From sequence anal., 37 open reading frames (ORFs) participate in A40926 biosynthesis, regulation, resistance, and export. Of these, 27 ORFs find a match in at least one of the previously characterized glycopeptide gene clusters, while 10 ORFs are, so far, unique to the dbv cluster. Putative genes could be identified responsible for some of the tailoring steps (attachment of glucosamine, sugar oxidation, and mannosylation) expected during A40926 biosynthesis. After constructing a Nonomuraea mutant by deleting ORFs 8 to 10, the novel compound dechloromannosyl-A40926 aglycon was isolated.
- L3 ANSWER 6 OF 6 CA COPYRIGHT 2007 ACS on STN
- AN 135:254360 CA
- AB BI 397, a semi-synthetic amide derivative of the exptl. glycopeptide, MDL 62,476 (A40926), has excellent in vitro activity against a wide range of Gram-pos. organisms. In this extensive study, 630 contemporary (1998-2000) Gram-pos. isolates were selected from various resistance surveillance studies for their resistance patterns to fluoroquinolones, macrolides-lincosamides-streptogramins, β-lactams and glycopeptide agents. The BI 397 spectrum of activity was similar to that of other glycopeptides with a MIC90 of ≤0.5 μg/mL for all tested isolates with the exception of vancomycin-resistant enterococci Van A; (MIC90, 32 μg/mL). BI 397 was more potent than vancomycin and teicoplanin against Staphylococcus aureus (2- to 8-fold), β-hemolytic streptococci (equal

to >16-fold), viridans group streptococci (equal to >32-fold), and Corynebacterium spp. including C. jeikeium (8- to >16-fold). BI 397 was also more active than quinupristin/dalfopristin against all Gram-pos. organisms tested with the exception of oxacillin-susceptible S. aureus, against which it had equal activity. BI 397 has little activity against Haemophilus influenzae (MIC90, 64 µg/mL) or other Gram-neg. bacilli (MIC90, >64 µg/mL). BI 397 exhibited bacteriostatic activity (like the vancomycin control) vs. most species, but was bactericidal against tested Streptococcus pneumoniae. In vitro testing conditions with blood supplemented or free protein containing media elevated BI 397 MIC results, and the 30-µg disk seems acceptable for further disk diffusion test development. Animal pharmacokinetic data published elsewhere suggest that BI 397 may be dosed less frequently than teicoplanin and the results of early studies in humans are awaited with interest, especially when treating teicoplanin-refractory coagulase-neg. staphylococci.

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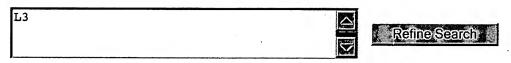
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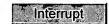
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| DB=PGPB, USI | PT,USOC,EPAB,JPAB,DWPI,TDBD; PI | LUR=YES; OP=OR | |
| <u>L3</u> | L1 near5 protein | 18 | <u>L3</u> |
| <u>L2</u> | L1 and protein | 39 | <u>L2</u> |
| <u>L1</u> | dalbavancin | 58 | L1 |

END OF SEARCH HISTORY